



## **NOAA Small Boat Safety Program Class I Annual Small Boat Evaluation Checklist**

- Annual Small Boat Evaluations (ASBE) are inspections conducted by Vessel Operations Coordinators (VOC), Commanding Officers (CO), or their designee(s) using the approved ASBE outlines and checklists.
- ASBE checklists have been condensed from detailed ASBE outlines for ease of use in the field. Evaluators shall use the checklists during the inspection, and shall refer to the outlines for additional detail as needed. Evaluators are responsible for all information contained within the ASBE outlines.
- ASBEs are required annually.
- The ASBE outlines and checklists are based on NAO 217-103, 46 CFR, 33 CFR, NFPA 302, MARPOL, ABYC standards and recommendations, USCG inspection criteria, and standard marine survey practices.
- Some items may not apply to all boats. Evaluators are responsible for determining applicable items. Consult NAO 217-103 for equipment carriage requirements. Installed equipment in excess of requirements must be maintained to inspection standards.
- Completed evaluation checklists, reports, and records of findings and recommendations shall be signed by the evaluator or surveyor, and signed and retained by the VOC with a copy forwarded to and signed by the LOSBO. Notification of the evaluation will be reported to the NOAA Small Boat Safety Program Coordinator (SBSPC). Reports shall be generated when numerous or significant deficiencies are noted, and then forwarded to the NMAO Fleet Inspection Office via the SBSPC.
- The NOAA Fleet Inspection office (757-441-6766) and Small Boat Engineer (757-441-6202, [sbp.engineer@noaa.gov](mailto:sbp.engineer@noaa.gov)) are available for additional guidance.

Name of boat	
Date of ASBE	
Evaluator	
Year / Make / Model	
Hull ID / registration number	
Owner	
Place of evaluation	

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Hull material / type				
LOA / beam / draft				
Displacement				
Engine(s) year / make / model				
Total horsepower				
Fuel type / capacity				
AC / DC power				
Operating area / primary use				
<b>Required Documentation</b>	<b>Sat</b>	<b>Unsat</b>	<b>N/A</b>	<b>Comments</b>
Records of previous inspections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Stability log (installed equipment, modifications, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Risk assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operator's manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Records of annual fire extinguisher servicing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Stability</b>				
Capacity plate (Manufacturer or 33 CFR 183 Subpart C)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Boat within capacity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Life Saving and Emergency Equipment</b>				
PFDs (number, type, condition, spare CO <sub>2</sub> , re-arm kits)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ring buoy / cushion (condition, type, size, label, mounting)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Visual distress signals (number, type, condition, CG approved)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
First aid kit (adequate, not expired, properly stowed, labeled)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
EPIRB / PEPIRB (registration, battery, hydro release, test)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cell / satellite phone (check battery, test operate)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Emergency sound signal (condition, can be heard at 0.5 nm)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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<b>Life Saving and Emergency Equipment</b>	<b>Sat</b>	<b>Unsat</b>	<b>N/A</b>	<b>Comments</b>
Emergency oars / paddles (condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Fire Protection</b>				
Portable extinguishers (number, expiry, type, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fixed system (service report/expiry, condition, indicators)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Backfire flame arrestor, drip pan (non-outboard gas engines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Structural (carpet, furnishings, etc. class A fire resistant)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Integral fuel tank vents (condition, material, containment)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ventilation (vent ducts, bilge blower, type, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Navigation and Electronic Equipment</b>				
Chart / chartlet (covers oparea, current, corrected)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Magnetic compass (good working condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
VHF radio (number, type, DSC, test, battery)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Navigation lights (conform to current USCG Navigation Rules)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
GPS (test operate, check accuracy)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Ground Tackle</b>				
Anchor (anchor and rode condition, sufficient for operations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bits, chocks, cleats, etc. (not broken, corroded, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Hull, Deck, Fittings, Watertight Integrity</b>				
Hinged watertight doors (seal, gasket condition, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Watertight bulkheads (intact, watertight, penetrations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Deck openings and thru-hulls (gasket and dog condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Scuppers, free ports, etc. (unobstructed, performance)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Windows (weather tight, operate freely, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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<b>Hull, Deck, Fittings, Watertight Integrity</b>	<b>Sat</b>	<b>Unsat</b>	<b>N/A</b>	<b>Comments</b>
Interior structure (corrosion, broken welds, deformation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Deck fittings and equipment (labeled with SWL, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Metal hulls (corrosion, pitting, deformation, fractures, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RHIBs (sponsons, patches, valves, PSI test)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fiberglass hulls (delamination, blistering, moisture, cracks)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Keel bolts, transducers, grounding plate, stabilizers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Heaters (thermal shut off, installation, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
A/C units (installation, condition, capacity)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Outboard Engines</b>				
General condition (damage, excessive oil, dirt, corrosion)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Belts and filters (condition, filters replaced annually, dated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Oil (condition, level, test if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Propeller / lower unit (general condition, damage)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Engine horsepower within limits listed on capacity plate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Throttle has noticeable detent when shifted into neutral	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operational test (all gears and speeds)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Engine controls, gauges, indicators (function normally)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Stern Drive Engines (I/O)</b>				
General condition (damage, excessive oil, dirt, corrosion)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Belts and filters (condition, filters replaced annually, dated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Oil and coolant (condition, level, test if needed, mixture)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cooling system (piping, hoses, strainers, filters, clamps)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Propeller, lower unit, boot (condition, damage)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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<b>Stern Drive Engines (I/O)</b>	<b>Sat</b>	<b>Unsat</b>	<b>N/A</b>	<b>Comments</b>
Exhaust system (piping, lagging, leaks, corrosion, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Operational test (all gears and speeds)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Fuel System</b>				
Tanks, piping, hose, fittings, supports (type, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Integral tanks and fill pipes bonded to common ground	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Flexible non-metallic hoses (approved type, double clamped)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Fuel gauging (appropriate method; gauge, graduated ruler, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Vents and valves (unobstructed, operate properly)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Filters (Replaced at least annually, dated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Steering System</b>				
Foundations / mounting bolts (condition, intact, secure)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pipes, runs, brackets, etc. subject to vibration damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Control linkages, linkage pins, ram guides (condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Potential single point system failure items (condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Locking devices (cotter pins, etc.) on all vital connections	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Bilge System</b>				
All standing water drains to bilge suction pipes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Strainers (good condition, unobstructed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bilge pump can drain all watertight compartments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Remote valve/pump actuators (test operate, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Oil/water separator filter (dated, changed at least annually)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bilge level alarms, float switches (test operate, unobstructed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Bilge blower (test operate, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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<b>Electrical System</b>	<b>Sat</b>	<b>Unsat</b>	<b>N/A</b>	<b>Comments</b>
Cables and wires (damage, condition, discoloration, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cable and wire supports (condition, do not cause chafing)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
No permanent “temporary” solutions (extension cords, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Shore power connection and cable (condition, damage, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Switchboards, junction boxes, panels, inverters	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Switches, breakers, fuses (labeled, condition, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ground detection lights (working, no grounds)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Over current devices accurately identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Distribution points (ventilated; shielded from water, debris)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Drip shields (present, good condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Instrumentation (meters) (working, calibrated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Controls and meters (working, accurately labeled)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Batteries (condition, damage, corrosion, ventilated, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Battery terminals (connections secure, covered, type)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Battery trays (resistant to electrolyte, condition)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ammeter (operational test)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Ventilation (sufficient to dissipate charging gasses)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Charging system components (examine inverter, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Lighting system (each light is protected by a guard)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Outlets (properly grounded, and covered / watertight)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Generator</b>				
General condition (damage, excessive oil, dirt, corrosion)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Belts and filters (condition, filters replaced annually, dated)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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Generator	Sat	Unsat	N/A	Comments
Exhaust system (piping, lagging, leaks, corrosion, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Compartment adequately ventilated, as dry as possible	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Oil (condition, level, test if needed)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Cooling system (coolant level & mix, piping, gaskets, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Voltmeter, ammeter (if 50v or more, verify operation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Frequency measuring device (verify operation)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NEC Article 430 or 445 nameplate present	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Over current protection device set at <115% full load	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Markings</b>				
Boat is marked in accordance with NAO 217-103	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Evaluator: \_\_\_\_\_

Name (print or type)	Signature	date
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VOC / CO: \_\_\_\_\_

Name (print or type)	Signature	date
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LOSBO: \_\_\_\_\_

Name (print or type)	Signature	date
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